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APPLICATION NO	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/074,158	02/12/2002	Harry Contoparagos	BP 2110	5042
7990 " 12/24/2003			EXAMINER	
Timothy W. Markison P.O. Box 160727			MAI, ANII T	
Austin, TX	78716-0727		ART UNIT PAPER NUMBER	

DATE MAILED: 12/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/074,158	CONTOPANAGOS ET AL.	
Office Action Summary	Examiner	Art Unit	1. (.
	Anh T. Mai	2832	MW
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the o	orrespondence ac	ldress
A SHORTENED STATUTORY PERIOD FOR REP! THE MAILING DATE OF THIS COMMUNICATION. • Eltreasure of time may be available under the previsions of 37 CPR 1. • If the period for may be available under the previsions of 37 CPR 1. • If the period for may be available under the previsions of 37 CPR 1. • If the period for may be available allows in less than 1997 (30) days, a wing or the period for may be available under the same that 1997 (30) days, a wing or the period of 1997 (1997) and 1997 (1997) with 10 the same centered period for may with 5 yets. The same form of 1997 (1997) and 1997	(36(a). In no event, however, may a reply be till by within the statutory minimum of thirty (30) day will apply and will expire SDI (6) MONTHS from it, cause the acolectation to become ARANDONE	nely filed is will be considered time the multing date of this of D (35 U.S.C. 6 133)	y. ommunication
1) Responsive to communication(s) filed on			
,	action is non-final.		
Since this application is in condition for allows closed in accordance with the practice under its condition.	nce except for formal matters, pro		e merits is
Disposition of Claims			
4) Claim(s) 1-30 is/are pending in the epplication			
4a) Of the above claim(s) 16-30 is/are withdra			
5) Claim(s) is/are allowed.			
6) Cleim(s) 1-15 is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine	BF.		
10) The drawing(s) filed on 12 February 2002 is/ar	e: a)⊠ accepted or b)□ objecte	d to by the Exami	ner.
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	jected to. See 37 C	FR 1.121(d).
11) The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form P	TO-152.
Priority under 35 U.S.C. §§ 119 and 120			
12)	. ,	a)-(d) or (f).	
 Certified copies of the priority documen Copies of the certified copies of the pric application from the International Burea 	ority documents have been receiv		Stage
* See the attached detailed Office action for a list			al application)

Notice of References Cited (PTO-892)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

e) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

4) Interview Summary (PTO-413) Paper No(s). _____ . 5) Notice of Informal Patent Application (PTO-152) . 6) Other: ____ .

Attachment(s)

37 CFR 1.78.

since a specific reference was included in the first sentence of the specification or in an Application Data Sheet.

Application/Control Number: 10/074,158 Art Unit: 2832

DETAILED ACTION

Election/Restrictions

Claims 16-30 have been withdrawn from further consideration pursuant to 37 CFR
 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in Paper filed October 8, 2003. In the instant application, claims 1-15 have been examined.

Information Disclosure Statement

The information disclosure statement filed 2/12/02 fails to comply with 37 CFR
 1.98(a)(1), which requires a list of all patients, publications, or other information submitted for consideration by the Office. It has been placed in the application file, but the information referred to therein has not been considered.

Claim Rejections - 35 USC § 102

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - A person shall be entitled to a patent unless -

(c) the invention was described in (1) an application for patent, published under section 122(b), by another filled in the United States before the invention by the applicant for patent or (2) a pattern granted on an application for patent by another filled in the United States before the invention by the applicant for patent, except that an international application filled under the entry defined un excised 35(d) shall have the effects for purposes of this subsection of an application filled in the United States only if the international application destignated the United States and was published under Article 2(c) of such testy in the English Imaguas.

 Claims 1, 3-8, 11-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Apel et al. [US 6407647].

Apel discloses a dielectric layer between first and second conductive windings 14, 12; the conductive windings having substantially source geometry as seen in figure 1, wherein the Application/Control Number: 10/074,158 Art Unit: 2832

With respect to claims 3 and 10, by visual inspection, figure 1 shows the interior angle per corner of approximately 135° and exterior angle per corner of approximately 135°. With respect to claim 4, the winding 14 having spiral configuration which inherently reduces impedance of the inductor at operational frequency.

With respect to claims 5 and 5, bridge 14c connects windings 14 and 12 at crossover area 20 [figure 1; col 2, lines 59-64].

With respect to claims 6-7 and 14-15, the winding with such angle corners of Apel inherently derives same function as of the claimed structure.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained shough the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior at sex that hit the subject matter as which would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 2, 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Apel in view of Morikawa [US 6285273].

Apel discloses the invention as claimed as cited above except for the interior angle pre corner of approximately 90°. Morikawa discloses a square spiral conductor in figure 1, wherein the interior corner angle being approximately 90°. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to keep the interior angle at 90° as taught by Morikawa to Apel. The motivation would have been to derive the function as expected by the transformer. Therefore, it would have been obvious to combine Morikawa with Apel.

Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yang et al. [US2003/0137383 A1].

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 703-308-2900. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 703-308-7619. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1782.

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